

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application of: XUMING ZHANG, ET AL

Filed: JULY 2, 2003

For: METHOD AND APPARATUS FOR IDENTIFYING THE ENCODING  
TYPE OF A CENTRAL OFFICE CODEC

Serial No.: 10/614,434

Group Art Unit: 2611

Examiner: PATEL, J.

Atty Dkt: SILA: 311

Pursuant to 37 C.F.R. 1.8, I certify that this correspondence is being deposited with the U.S. Postal Service in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date below:

8/16/04  
Date

Ketty Kenya  
Name

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT UNDER 37 C.F.R. §3.73(b),  
ELECTION UNDER 37 C.F.R. §3.71, and  
REVOCATION AND NEW POWER OF ATTORNEY**

Sir:

This document provides a Statement under §3.73 by the Assignee, an Election by the Assignee under §3.71 to prosecute at the exclusion of the inventor(s), and a Power of Attorney from the Assignee.

Statement Under §3.73(b)

The undersigned states that it is the Assignee of the entire right, title and interest in the Patent application identified above by virtue of either:

A. ☐ An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

Commissioner for Patents

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B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Xuming Zhang, et al. To: Rockwell Semiconductor Systems, Inc. The document was recorded in the United States Patent and Trademark Office at Reel 009598 Frame 0590, or for which a copy thereof is attached.
2. From: Rockwell Semiconductor Systems, Inc. To: Conexant Systems, Inc. (name change) The document was recorded in the United States Patent and Trademark Office at Reel 010434, Frame 0478 or for which a copy thereof is attached.
3. From: Conexant Systems, Inc. To: PCTEL, INC. The document was recorded in the United States Patent and Trademark Office at Reel 014734 Frame, 0539 or for which a copy thereof is attached.
4. From: PCTEL, INC. To: Silicon Laboratories, Inc. The document was recorded in the United States Patent and Trademark Office at Reel 016580, Frame 0323, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Election under §3.71

The Assignee hereby elects under 37 C.F.R. §3.71 to prosecute the application to the exclusion of the inventor(s).

Revocation and New Power of Attorney

The Assignee revokes all previous Powers of Attorney and appoints Robert M. O'Keefe, Reg. No. 35,630; Richard D. Egan, Reg. No. 36,788; Brian W. Peterman, Reg. No. 37,908 and William W. Enders, Reg. No. 41,735, each an attorney of the firm of O'KEEFE, EGAN & PETERMAN, LLP, as its attorney for so long as they remain with such firm, with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, and to receive any Letters Patent, and for one year after issuance of such Letters Patent to file any request for a certificate of correction that may be deemed appropriate.

Future Communications

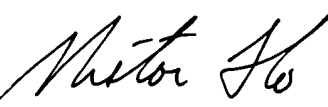
Please direct all communications as follows:

Richard D. Egan  
O'KEEFE, EGAN & PETERMAN, LLP  
1101 Capital of Texas Highway South  
Building C, Suite 200  
Austin, Texas 78746  
512/347-1611  
FAX 512/347-1615

ASSIGNEE:

Silicon Laboratories, Inc.

Dated: 8/15/06

By:   
(Signature)

Name: Nestor Ho  
(Please print)

Title: General Counsel

# ASSIGNMENT

## UTILITY PATENT

**WHEREAS**, the undersigned inventor(s) (hereinafter singly and collectively, "ASSIGNOR") of the address(es) indicated below, has/have invented subject matter disclosed in the United States patent application entitled: METHOD AND APPARATUS FOR IDENTIFYING THE ENCODING TYPE OF A CENTRAL OFFICE CODEC, which was filed on September 30, 1998 as Serial Number 09/164,155;

**AND WHEREAS**, ROCKWELL SEMICONDUCTOR SYSTEMS, INC. (hereinafter "ASSIGNEE"), a corporation organized and existing under and by virtue of the laws of the State of Delaware, having its principal place of business and mailing address at 4311 Jamboree Road, Newport Beach, California 92660 is desirous of acquiring an interest therein;

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents does sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right to the invention as described in the aforesaid application, in the United States and all foreign countries, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States adheres, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives,

**AND HEREBY AGREES** to transfer a like interest upon request of ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements and applications for patents based thereon, growing out of or relating to the invention; and to provide all reasonable assistance and execute any papers deemed essential by ASSIGNEE, its successors, assigns and legal representatives, to ASSIGNEE's full protection and title in and to the invention hereby transferred,

**AGREEING, FURTHERMORE**, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

**EXECUTED** as of the date(s) written below by ASSIGNOR:

First inventor: Xuming Zhang

Signature:  Date: 10/30/98

Residence address: 26462 Mikanos Drive, Mission Viejo, CA 92692

Second inventor: Zhenyu Zhou

Signature: \_\_\_\_\_

Date: Oct. 30, 1998

Residence address: 9 Maryland, Irvine, CA 92606

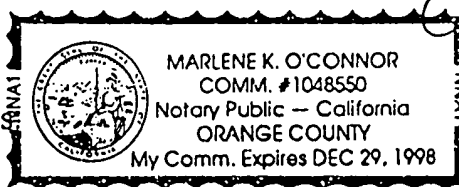
STATE OF California )  
 ) ss.  
COUNTY OF Orange )

On this 30th day of October, 1998, before me, a notary public in and for said county, appeared Xuming Zhang, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and he acknowledges that he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

(Seal)

My commission expires

Dec. 29, 1998



Marlene K. O'Connor  
Notary Public

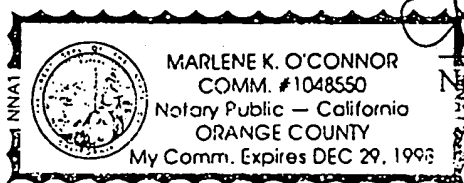
STATE OF California )  
 ) ss.  
COUNTY OF Orange )

On this 30th day of October, 1998, before me, a notary public in and for said county, appeared Zhenyu Zhou, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and he acknowledges that he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

(Seal)

My commission expires:

Dec. 29, 1998



Marlene K. O'Connor  
Notary Public

Office of the Secretary of State

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I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "ROCKWELL SEMICONDUCTOR SYSTEMS, INC.", CHANGING ITS NAME FROM "ROCKWELL SEMICONDUCTOR SYSTEMS, INC." TO "CONEXANT SYSTEMS, INC.", FILED IN THIS OFFICE ON THE FOURTEENTH DAY OF OCTOBER, A.D. 1998, AT 4:30 O'CLOCK P.M.



2650153 8100

991151248

A handwritten signature in cursive script, reading "Edward J. Freel", is written over a horizontal line.

Edward J. Freel, Secretary of State

AUTHENTICATION:

DATE:

9692520

04-19-99

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION  
OF  
ROCKWELL SEMICONDUCTOR SYSTEMS, INC.

---

Pursuant to Section 242 of the General  
Corporation Law of the State of Delaware

---

Rockwell Semiconductor Systems, Inc., a corporation organized and existing under the General Corporation Law of the State of Delaware (the "Corporation"), does hereby certify as follows:

FIRST: Resolutions setting forth a proposed amendment to the Certificate of Incorporation of the Corporation, declaring said amendment to be advisable and directing that said amendment be submitted to the sole shareowner of the Corporation for its consideration were duly adopted by the unanimous written consent of the Board of Directors of the Corporation dated as of October 13, 1998.

SECOND: Thereafter, said amendment was approved in accordance with Section 228 of the General Corporation law of the State of Delaware by the Consent of Sole Shareowner of the Corporation dated as of October 13, 1998.

THIRD: Said amendment would amend the Certificate of Incorporation of the Corporation by deleting Article FIRST and substituting in lieu thereof the following new Article FIRST, to read in its entirety as follows:

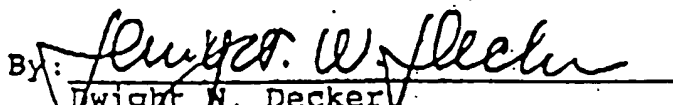
"FIRST: The name of the Corporation is  
Conexant Systems, Inc."

FOURTH: Said amendment was duly adopted in accordance with the provisions of Section 242 of the General Corporation Law of the State of Delaware.

FIFTH: Said amendment shall become effective immediately upon filing of this Certificate of Amendment of Certificate of Incorporation with the Secretary of State of the State of Delaware.

IN WITNESS WHEREOF, the Corporation has caused this certificate to be signed by its officer thereunto duly authorized this 14th day of October, 1998.

ROCKWELL SEMICONDUCTOR SYSTEMS, INC.

By:   
Dwight W. Decker  
President and Chief Executive  
Officer



# PATENT ASSIGNMENT AGREEMENT

This Patent Assignment Agreement is entered into as of \_\_\_\_\_, 2003 ("Effective Date"), between PCTEL, Inc., a corporation organized and existing under the laws of the State of Delaware ("Assignee"), and Conexant Systems, Inc., a corporation organized and existing under the laws of the State of Delaware ("Assignor"). All parties to this Agreement are domiciled in the United States of America.

Whereas, Assignor is the owner of all right, title and interest in and to the attached list of patent applications (the "Patents") and Assignors wish to assign all right, title and interest in and to the Patents to Assignee for good and valuable consideration pursuant to that certain May 12, 2003 Intellectual Property Assignment and Cross-License Agreement between the parties;

Now therefore the parties agree as follows:

Assignor hereby assigns to Assignee all rights, title and interests in and to the Patents, including the right to sue and recover for past and present infringement thereof. Assignee hereby accepts such assignment.

Conexant Systems, Inc.

By: 

Name: Dennis E. O'Reilly

Title: Sr. VP, General Counsel and Secretary

PCTEL, Inc.

By: 

Name: M.H. Singer

Title: Chairman / CEO

Executed this 17 day of JUNE, 2003.

State of California )

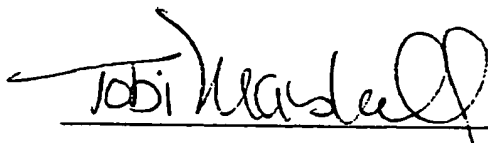
) ss.

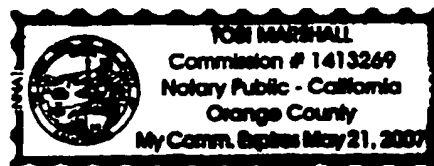
County of Orange

On JUNE 17, 2003, before me, Tobi Marshall personally appeared Dennis E. O'Reilly personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me

that he executed the same in his authorized capacity(ies), and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.





# LIST OF PENDING UNITED STATES PATENT APPLICATIONS

Application Number	Filing Date	Application Title
09/264,065	3/8/99	Separating Commands and Data Using Logical Channels
09/298,667	4/23/99	Low Voltage Transistors in a High Voltage Environment
09/312,136	5/14/00	Electronic Inductor With Transmit Signal Telephone Line Driver
09/359,584	7/22/99	A Method and System for Modem Pulse Dialing in a Telecommunication System
09/393,616	9/10/99	Modem on Hold
09/394,018	9/10/99	Method and Apparatus for Quick Modem Reconnect
09/397,414	9/16/99	Programmable Constant Current "Off Hook" Circuit
09/496,843	2/2/00	Methods and Apparatus for Adaptive PCM Level Estimation and Constellation Training
09/549,765	4/14/00	Signal Calibration for an Integrated Modem Receiver
09/616,579	7/14/00	Apparatus, System, and Method for Efficient Reduction of Electromagnetic Interference in Telecommunications Equipment
09/676,742	9/29/00	Surge Protection For A Data Access Arrangement
09/771,010	1/26/01	Communications System Which Dynamically Switches Sizes of Sample Buffer Between First Size for Quick Response Time and Second Size for Robustness to Interrupt Latency
09/849,501	5/4/01	Method and Apparatus for Training Linear Equalizers in a PCM Modem
09/962,779	9/25/01	Impedance Compensation in Interfacing a Modem to a Telephone Line
10/032,776	10/26/01	Data Access Arrangement Utilizing a Serialized Digital Data Path Across an Isolation Barrier
10/060,152	1/29/02	Method and Apparatus for Identifying the Encoding Type of a Central Office Codec
09/945,480	8/31/01	Utilization of In-Band Signaling to Facilitate Modem on Hold

Conexant DEO Date 6/17/03 PCTEL M4S Date 6/19/03